Title (en)

CIRCUIT FOR OPERATING A PULSE-MODULATED INFRARED RADIATION SOURCE

Publication

EP 0346665 B1 19930901 (DE)

Application

EP 89109574 A 19890527

Priority

DE 3819987 A 19880611

Abstract (en)

[origin: EP0346665A1] A switching arrangement for a pulse-modulated power supply to an infrared radiation source whose radiation can be measured by a receiver is to be improved in a manner such that the radiation source is able to deliver a rapid and easily processed measurement signal to the receiver as independently as possible of its radiation characteristic and of its thermal properties and unaffected by the ambient conditions. For this purpose, provision is made that the power supply can be regulated by a regulating unit (1,2) to an upper temperature set point T0 during the pulse time and to a lower temperature set point Tu during the interpulse period, the change between the two set points being capable of being triggered by a pulse generator (T1) connected to the set point input (E2) of the regulating unit (1,2). <IMAGE>

IPC 1-7

H05B 39/09

IPC 8 full level

G01J 3/10 (2006.01); **G01N 21/01** (2006.01); **H05B 39/09** (2006.01); G01N 21/3504 (2014.01)

CPC (source: EP US)

G01J 3/108 (2013.01 - EP US); G01N 21/3504 (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0346665 A1 19891220; **EP 0346665 B1 19930901**; DE 3819987 A1 19891214; DE 3819987 C2 19960328; DE 58905426 D1 19931007; JP H0227692 A 19900130; JP H0587956 B2 19931220; US 4954718 A 19900904

DOCDB simple family (application)

EP 89109574 A 19890527; DE 3819987 A 19880611; DE 58905426 T 19890527; JP 14693889 A 19890612; US 36148789 A 19890605